

Amendments to the Specification

Please replace the paragraph that begins on page 6, line 11, with the following amended paragraph:

As shown in **Figure 4**, the STW 50 also includes a crystal 60 and a divide-by-N circuit which are used to provide a series of interrupt signals 64 (see **Figure 5**) to the STW DSP 52 at predetermined sample times, T_s . Upon receipt of an interrupt signal 64, the STW DSP 52 performs an interrupt service routine (ISR) 66, which lasts for a duration generally less than the sample time, T_s , as indicated by the brackets shown in **Figure 5**.